

ABSTRACT OF THE DISCLOSURE

Provided is a communication system including a transmitter and a receiver which carry out communication by establishing connection of their plurality of communication layers, the transmitter comprising: connection request generating means for generating a connection request containing a command and data required for connecting a number of contiguously adjacent layers among the plurality of communication layers; and connection request transmitting means for transmitting the connection request to the receiver, the receiver comprising: connection request receiving means for receiving a connection request containing a command and data required for connecting a number of contiguously adjacent layers among the plurality of communication layers; and connection establishing means for extracting the command and data from the connection request, and establishing connection for the plurality of communication layers based on the command and data. In this way, the time taken to establish connection is reduced. Therefore, even when the connection is cut off during the data exchange, the connection can be established again without taking much time, allowing quick recovery of data exchange.